

What is claimed is:

1. A communication system, comprising:
a peripheral device having:
a controller that outputs an operating signal;
5 a processor that receives the operating signal and formats the operating signal into a data packet that complies with a standard wireless network communication protocol, and then wirelessly transmits the data packet; and
a computer having:
a network card that receives the data packet; and
10 a program that decodes the data packet into a computer control signal to control the operation of the computer.
2. The system of claim 1, wherein the standard wireless network communication protocol is the 802.11 serial enacted by IEEE.
- 15 3. The system of claim 1, wherein the computer wirelessly transmits a feedback signal to the peripheral device.
4. The system of claim 1, wherein the data packet is transmitted in ad-hoc mode.
- 20 5. The system of claim 1, further including an access point which receives the data packet from the processor, and which then forwards the data packet to the computer.
- 25 6. The system of claim 5, wherein the network card is a wireless network card, and the access point wirelessly forwards the data packet to the computer.
7. The system of claim 5, wherein the network card is a wired network card, and the access point forwards the data packet to the computer in a wired connection.
- 30 8. The system of claim 1, wherein the peripheral device is a computer input device.

9. The system of claim 1, wherein the peripheral device is a pointing device.

5 10. A method of using a peripheral device to control a computer, comprising:

(a) providing a peripheral device that generates a data packet which complies with a standard wireless network communication protocol;

(b) transmitting the data packet to a network card coupled to a computer;

10 (c) decoding the data packet at the computer to generate a computer control signal; and

(d) using the computer control signal to control the operation of the computer.

15 11. The method of claim 10, wherein the standard wireless network communication protocol is the 802.11 serial enacted by IEEE.

12. The method of claim 10, further including:

transmitting a feedback signal from the computer to the peripheral device.

20 13. The method of claim 10, wherein the data packet is transmitted in ad-hoc mode.

14. The method of claim 10, further including:

transmitting the data packet from the processor to an access point; and

25 transmitting the data packet from the access point to the computer.

15. The method of claim 14, wherein the data packet is wirelessly transmitted from the access point to the computer.

30 16. The method of claim 14, wherein the data packet is transmitted from the access point to the computer via a wired connection.